

STATUS OF THE CLAIMS

1-22 (canceled).

23. (Previously presented) A vector comprising a nucleic acid sequence at least 90% homologous to SEQ ID NOs: 1 or 3, wherein said nucleic acid encodes a product that functions in division of a photosynthetic prokaryote or a plastid.

24. (Previously presented) The vector of Claim 23, wherein said nucleic acid is operably linked to a heterologous promoter.

25. (Previously presented) A cell transformed with the vector of Claim 23.

26. (Previously presented) The cell of Claim 25, wherein said cell is a plant cell or a microorganism cell.

27. (Previously presented) A plant transformed with a heterologous gene comprising a nucleic acid sequence at least 90% homologous to SEQ ID NOs: 1 or 3, wherein said nucleic acid encodes a product that functions in division of a photosynthetic prokaryote or a plastid.

28. (Previously presented) A plant cell of said plant of Claim 27.

29. (Currently amended) A transgenic plant seed of said plant of Claim 27.

30. (Previously presented) The plant of Claim 27, wherein said nucleic acid is operably linked to a heterologous promoter.